## For receiving Office use only International Application No. REQUEST International Filing Date The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Name of receiving Office and "PCT International Application" Applicant's or agent's file reference (if desired) (12 characters maximum) LP2015PC00 Box No. I TITLE OF INVENTION Immobilization of biocatalyst **APPLICANT** Box No. II This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. Facsimile No. LONZA AG Münchensteinerstrasse 38 Teleprinter No. CH-4052 Basel CH Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: CH CH This person is applicant all designated States all designated States except the United States of America the States indicated in the Supplemental Box the United States for the purposes of: of America only FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only BARTEK, Johannes applicant and inventor Bäretstrasse 6a inventor only (If this check-box is marked, do not fill in below.) 3930 Visp CH Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: AT CH This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box Further applicants and/or (further) inventors are indicated on a continuation sheet. Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: common representative agent Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country.) +41 61 316 8432 LONZA AG Facsimile No. Münchensteinerstrasse 38 +41 61 316 8329 CH-4052 Basel -Teleprinter No. CH Agent's registration No. with the Office

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the

space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)  If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name: for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside ROBINS, Karen Talstrasse 1 3930 Visp CH	aiv, full official designation. This person is:		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant for the purposes of:  all designated all designated the United States	d States except the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside ZIGOVA, Jana Bäretstrasse 6 3930 Visp CH	he address indicated in this		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant all designated all designate for the purposes of:	d States except tates of America the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this \		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant all designated all designate for the purposes of:	d States except the United States the States indicated in tates of America of Of America only the Supplemental Box		
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside	he address indicated in this		
State (that is, country) of nationality:	State (that is, country) of residence:		
	d States except the United States the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated	on another continuation sheet.		

Sheet	M-	3
Sheet	NΛ	•

Box No. V DESIGNAT	TIONS				
The filing of this request con filing date, for the grant of e	stitutes under Rule 4.9(a), the very kind of protection availates.	ne designation of all Contr ble and, where applicable,	acting States bound by th for the grant of both reg	te PCT on the international ional and national patents.	
However,					
DE Germany is not de	esignated for any kind of nati	onal protection			
KR Republic of Kores	a is not designated for any ki	nd of national protection			
RU Russian Federatio	n is not designated for any k	ind of national protection			
I the national law, of an earlie	be used to exclude (irrevocaber national application from w s in these and certain other Si	hich priority is claimed S	ned in order to avoid the ee the Notes to Box No. F	ceasing of the effect, under as to the consequences of	
Box No. VI PRIORITY	CLAIM				
The priority of the following	gearlier application(s) is hereb	oy claimed:			
Filing date of earlier application	Number of earlier application	V	Where earlier application	e earlier application is:	
(day/month/year)	of earner application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 27 October 2003 (27/10/2003)	03024648.2	EP			
item (2)					
item (3)					
Further priority claims	are indicated in the Suppleme	ntal Box.			
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:					
all items it	em (1) item (2	) item (3)	other, se	ee Supplemental Box	
Where the earlier applicati Industrial Property or one M	on is an ARIPO application, it tember of the World Trade Or	ndicate at least one country	party to the Paris Conve	ntion for the Protection of	
	••••••			· · · · · · · · · · · · · · · · · · ·	
Box No. VII INTERNATIONAL SEARCHING AUTHORITY					
Choice of International Seinternational search, indicate	Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):				
ISA/	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):					
Date (day/month/year)	Numb	eer Count	xy (or regional Office)		
Box No. VIII DECLARA	TIONS		<del></del>		
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):  Number of declarations					
Box No. VIII (i)	Declaration as to the identit	y of the inventor	·	:	
Box No. VIII (ii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:					
Box No. VIII (iii)  Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application:					
Box No. VIII (iv)  Declaration of inventorship (only for the purposes of the designation of the United States of America)					
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :				:	

Sheet No 4				
Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT  The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.				
Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:				
In relation to this international application, Lonza Ltd. is entitled to apply for and be granted a patent by virtue of the following:				
Lonza Ltd. is entitled as employer of the inventors				
- BARTEK, Johannes, Bäretstrasse 6a, 3930 Visp, CH				
- ROBINS, Karen, Talstrasse 1,3930 Visp, CH				
- ZIGOVA, Jana, Bäretstrasse 6, 3930 Visp, CH				
This declaration is made for the purpose of all designations (except the designation of the United States of America)				

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".

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Sheet	No	5

Box No. IX CHECK LIST; LANGUAGE	OF FILING		
This international application contains:  (a) in paper form, the following number of sheets:	item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items	
request (including	1. 🛣 fee calculation sheet :	:	
declaration sheets) : 5  description (excluding	2.  original separate power of attorney :	:	
sequence listing and/or	3. original general power of attorney	:	
tables related thereto) : 20	4. copy of general power of attorney; reference number,		
claims : 2	if any:	:	
abstract : 1			
drawings : 2	6. priority document(s) identified in Box No. VI as item(s):	:	
Sub-total number of sheets: 30 sequence listing:	7. translation of international application into (language):	:	
tables related thereto :  (for both, actual number of	8. separate indications concerning deposited microorganism or other biological material	<u>.</u>	
sheets if filed in paper form, whether or not also filed in computer readable form;	9. sequence listing in computer readable form (indicate type and number of carriers)		
see (c) below)	(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application):	:	
Total number of sheets : 30  (b) only in computer readable form	(ii) (iii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the		
(Section 801(a)(i))  (i)  sequence listing	purposes of international search under Rule 13ter :  (iii) together with relevant statement as to the identity of the copy or	:	
(ii) tables related thereto	copies with the sequence listing mentioned in left column	:	
(c) also in computer readable form (Section 801(a)(ii))	(indicate type and number of carriers)		
<ul> <li>(i) ☐ sequence listing</li> <li>(ii) ☐ tables related thereto</li> </ul>	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	:	
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)		
sequence listing:	(iii) together with relevant statement as to the identity of the copy or	•	
☐ tables related thereto:	copies with the tables mentioned in left column	:	
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. □ other (specify):	:	
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English		
Box No. X SIGNATURE OF APPLICAN	T, AGENT OR COMMON REPRESENTATIVE raing and the capacity in which the person signs (if such capacity in not obvious from reading the		
Dr. Norbert Riegler, Manager Pat	LONZA AG	s requesty.	
	For receiving Office use only		
1. Date of actual receipt of the purported international application:		•	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:			
Date of timely receipt of the required corrections under PCT Article 11(2):	not red	ceived:	
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid		
For International Bureau use only			
Date of receipt of the record copy by the International Bureau:			